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DEC, J.

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Cooperation of the Rural Youth Association with the village community cooperatives.

p. 2 (Rolnik Spoldzielca) Vol. 9, No. 41, Oct. 1957, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

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DEC, Jerzy; RAPACKI, Henryk; STARZEWSKI, Jerzy; STRONSKI, Ignacy

Automatic device for column chromatography. Nukleonika 7 no.11:734-737 '62.

1. Instytut Fizyki Jadrowej, Polska Akademia Nauk, Krakow.

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DEC, Jerzy; DREJAK, Zdzislaw; RAPACKI, Henryk; SZYMCZYK, Wislawa

A safe for storing radium preparations. Nowotwory 12 no.3:261-263 '62.

1. Z Instytutu Onkologii — Oddzial w Krakowie Dyrektor: doc. dr med. H. Kolodziejska I z Instytutu Fizyki Jadrowej w Krakowie Dyrektor: prof. dr H. Niewodniczanski.
(RADIATION PROTECTION) (RADIUM)

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LUKASIK, Seweryn; DEC, Lechoslaw

The so-called athletic heart. Polskie arch. med. wewn. 39 no.1:51-58 1959.

1. Z III Kliniki Chorob Wewnetrznch A.M. we Wroclawiu Kierownik: prof. dr E. Szczeklik Oddz. B--Kierownik: prof. dr Z. Wiktor. Adres autora: Wroclaw, Pasteura 4, III Klinika Chor. Wewn. A.M.

(CARDIAC ENLARGEMENT,
athletic heart (Pol))

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

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(PHOSPHATES nutrition & diets)
(UREA urine)
(AMMONIA urine)
(URINE chem)

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KLISIECKI, Andrzej; WIKTOR, Zdzislaw; PYTASZ, Marian; DEC, Lechoslaw

Alkalization, ammonia and urea in urine in kidney diseases. Polski tygod. lek. 16 no.52:2001-2004 25 D '61.

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(KIDNEY DISEASES urine) (ACID BASE EQUILIBRIUM
(AMMONIA urine)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

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(CORONARY DISEASE diag)
(BALLISTOCARDIOGRAPHY)
(SMOKING)
(NITRITES)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

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Electrocardiographic studies in cases of defects in the inteauricular septum. Kardiol. Pol. 5 no.1:13-18 '62.

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(HEART SEPTUM abnorm) (ELECTROCARDIOGRAPHY)

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(CALCIUM) (PHOSPHORUS) (KIDNEY) (KIDNEY DISEASES)

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Conservative therapy of acute renal failure. Pol. arch. med. wewn. 33 no.6:693-696 '63.

(ACUTE RENAL FAILURE) (THERAPEUTICS)

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[illegible], [illegible]

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DEC, Lechoslaw; PYTASZ, Marian

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1. Center of Road Research and Development, Warsaw (for Rybak). 2. Military School of Engineering, Warsaw (for Dec).

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1. Institutul de igiena al R. P. R., filiala Cluj, sectia igiena scolara, sanepidul regional Cluj, sectia de igiena scolara, spitalul unificat de sn copii Cluj, serviciul de oftalmologie.

(VISION
of school child., eff. of lighting of classrooms, survey of Rumanian students.

(ILLUMINATION
of classrooms, eff. on vision of child., survey of Rumanian students.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

Decebal, Colita

DIMITRIU, C. C., Prof.; SCHACHTER, A., dr.; DECEBAL, Colita, dr.; KASPROVSKI, E., dr.; SEGAL, U., dr.

Results of Rauwolfia serpentina alkaloid (serpasil) therapy of hypertensive diseases. Med. int., Bucur. 7 no.4:104-111 Oct-Dec 55.

(HYPERTENSION, therapy
reserpine)
(RESERPINE, ther. use
hypertension)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECEI, I.; ARIASESCU, S.

Comparative study on methods used for drawing up general tables of Rumanian cabature. p. 599.

Vol. 70, no. 12, Dec. 1955
REVISTA PADURILOR
Bucurresti, Rumania

Source: East European Accession List. Library of Congress.
Vol. 5, No. 8, August 1956

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECEI, I.

RUMANIA / Forestry. Forest Management. K-4

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72811.

Author : Armasescu, Sorin; Decei, Ilie.
Inst : Not given.
Title : On the Problem of the Determination of the Percentage and Volume of Oak Bark.

Orig Pub: Rev. padurilor, 1957, 71, No 6, 395-399.

Abstract: As a result of measing 812 trees of pedunculate oak in various parts of Rumania, it was established that the thickness of the bark correlates with the diameter, independent of height measurement. For a given degree of thickness, the volume of the bark grows proportionally to the increase of the height; for a given height, the volume of bark grows in proportion to the increase of the diameter. The percent of bark from the general volume of a

Card 1/2

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

RUMANIA / Forestry. Forest Management. K-4

Abs Jour: Ref Zhur-Biol., No 16, 1958, 72811.

Abstract: trimmed felled tree (in the bark) decreases with the increase of the diameter limit. With a change of height, an essential change of bark percentage was observed only in trees with small diameter 8-12 limit). For additional comparison, diagrams are given of bark thickness depending on the limiting diameter according to data obtained in the USSR and the RPR. -- A. Yana.

Card 2/2

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECEI P.

COUNTRY	: Rumania K
CATEGORY	: Forestry. General Problems.
ABS. JOUR.	: RZhBiol., No. 4, 1959, No. 15453
AUTHOR	: Chirita, Const.; D. Avram, Chr.; Coman, N.; *
INST.	: Acad.Sci. Rumanian PR
TITLE	: Investigation and Mapping of Forest Habitats.
ORIG. PUB.	: Bul ştiinţ. Acad. RPR. Sec. biol. şi ştiinţe agric., 1956, 8, No.4, 847-864
ABSTRACT	: The number of basic taxonomic units necessary for the mapping of types of habitat are explained, and criteria are given for the determination and classification of habitats. Methods of mapping are offered with an estimated number of concrete taxonomic units taken in Rumania. Results of mapping are considered for surfaces of 30 thousand hectares in the Eastern Carpathians, and an ecological scheme is presented for types of habitat in this region. -- L.V. Nesmelov
CARD:	1/1

* Decei, P.; Crapini, V.; Malureanu, G.; Nicolae, V.; Patrascoiu, N.; Stanciuc, Gr.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

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DECHEV, D. ; KAIDZHIEV, D.

DECHEV, D. ; KAIDZHIEV, D. Breeding farm. p. 26.

Vol. 11, no. 8, Aug. 1956
KOOPERATIVNO ZEMEDELIE
AGRICULTURE
Sofiia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

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DASKALOV, Khr., akad.; STOEV, Kun'o; BOGDANOV, Vasil, st. n. sutr.; KHRISTOV, Metodi, st. n. sutr.; KHADZHIOLOV, Asen A., st. nauchen sutrudnik; DECHEV, Georgi, ml. n. sutr.; BLIZNAKOV, Georgi, prof.; PENKOV, Boian, ml. n. sutr.; POPOV, Rumen

Science on the offensive for progress. Nauka i tekh mladezh 15 no.7/8:6-10, 56-57 Jl-Ag '63.

1. Zam. predsedatel na NSN (for Daskalov). 2. Glaven nauchen sekretar na ASN (for Stoev). 3. Nauchen sekretar na ASN (for Bogdanov). 4. Institut za mekhanizatsiia na selskoge stopanstvo (for Khristov). 5. Direktor na Instituta po neorganicheska i obshta khimiia pri BAN (for Bliznakov). 6. Predsedatel na Komisiiata za nauka i tekhnicheski progres pri TsK na DKMS (for Popov).

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DECHEV, G.

From the experience of the Georgi Kirkov Plant in Sofia in cooperating. p. 53.

TEZHKA PROMISHLENOST. Vol. 5, no. 5, 1956

Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

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DECHEV, G.

Contribution to the study of the heat denaturation of proteins.
Izv Inst biol BAN 11:67-81 '61.

(EEAI 10:9)

(Heat) (Proteins)

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DICHEV, B.: BAKURDZHIEVA, N.

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IZVESTIIA, BULLETIN. Sofia, Bulgaria, Vol. 9, 1958

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December 1959
Uncl.

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(POLAROGRAPH AND POLAROGRAPHY)
(PROTEINS)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G.; BAKURDZHIEVA, N.

Changes in bio electric potentials in ampelopsis leaves influenced by light. Izv Inst biol BAN 10:155-173 '60. (EEAI 10:4)
(ELECTRIC POTENTIAL)
(AMPELOPSIS VEITCHI)
(LIGHT)
(LEAVES)

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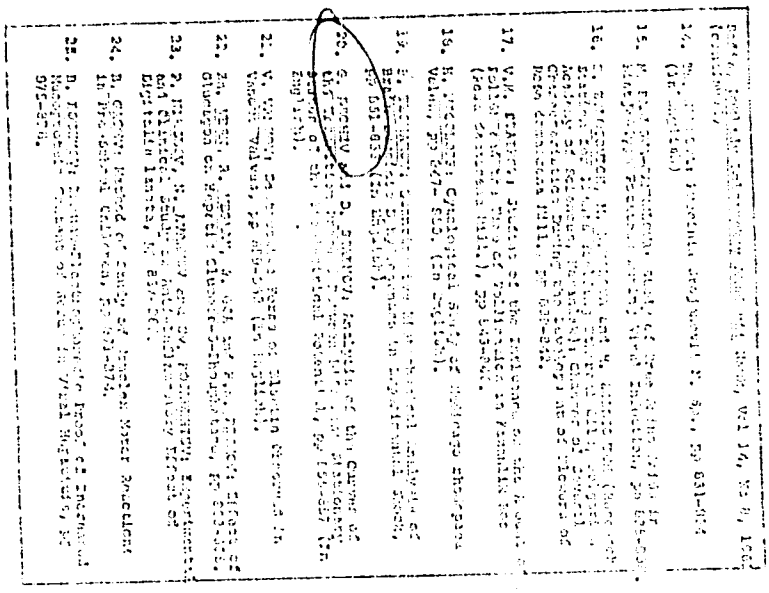
"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G.



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On thermal denaturation of proteins. Izv. inst. biol. Popov (Sofiia) 11:67-81 '61.

(PROTEINS chem)

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Living cell as an open thermodynamic system. Nauka i tekh mladezh 16 no. 3:23-27 Mr '64.

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[redacted]

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Redox potential of biological objects as result of irreversible processes in open systems. Doklady BAN 17 no.1[illegible] '64

1. Biophysics Laboratory at the Biological Institute, Bulgarian Academy of Sciences. Submitted by [illegible].

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DECHEV,G.; MOSKONA, A.

Possible identity of redox- and bioelectric potentials in live systems. Dokl. Bolg. akad. nauk 17 no.1:159-162 '64

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Possible identity of redox-and bioelectric potentials in live systems. Doklady BAN 17 no.2:159-162 '64.

1. Biophysics Laboratory at the Institute of Biology, Bulgarian Academy of Sciences. Submitted by Academician I.Emanouilov [Emanuilov, I.].

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VAKLINOVA, S.; TOMOVA, N.; NIKOLOVA, E.; DECHEV, G.

Photooxidation of hydroxylamine coupled with the uptake of oxygen in isolated chloroplasts. Doklady BAN 17 no.11:1051-1054 '64.

1. Institute of Plant Physiology of the Bulgarian Academy of Sciences. Submitted July 16, 1964.

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DECHEV, G.

Apropos of the redox potential in biological systems. I. Redox potential and the external environment. Izv. inst. biol. Popov (Sofiia) 13:203-214 '63.

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GRIGOROV, Iv.; DECHEV, G.; SLAVOVA-PETRUNOVA, Sv.

Relation of the redox potential to the synthesis of amylase in surface cultivation of Asp. oryzae. Izv. inst. biol. Popov (Sofiia) 13:197-202 '63.

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Optimum self-regulation of metabolic processes in the cell. Scale of metabolic processes as a single optimum system. Dokl. AN SSSR 162 no.2:447-450 My '65. (MIRA 18:5)

1. Institut biologii Bolgarskoy Akademii nauk. Submitted February 18, 1965.

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Optimal self-regulation of metabolic processes in the cell. Metabolism as self-regulating system in the presence and absence of feedback. Dokl. AN SSSR 162 no.3:685-687 My '65. (MIRA 18:5)

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TOMOVA, N.; DECHEV, G.; SECENSKA, M.

Light-induced consumption of molecular oxygen from isolated chloroplasts in the presence of potassium cyanide. Dokl. Bolg. akad. nauk 18 no.7:675-678 '65.

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BULGARIA

DECHEV, G., TOMOVA, N., SECHENSKA, M., Institute of Plant Physiology, Bulgarian Academy of Sciences

"The Possible Enzymatic Pathways of the Electron to the Molecular Oxygen in Electrontransport Reactions of Photosynthesis"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 6, 1966, pp 531-534

Abstract: [English article] According to modern concepts about electron transport during photosynthesis, the electron from the water is transferred to the physiological acceptor NADP with the help of a number of intermediary carriers. The authors establish the participation of molecular oxygen as acceptor during the oxidation of NAD-H_2 and NADP-H_2. Oxygen absorption was measured polarographically at 500 mV after the addition of 1 mg of NAD-H_2 and NADP-H_2 to 2 ml of chloroplast suspension (chlorophyll 0.45 0.45 mg per ml of suspension). The changes in the oxygen level were measured at 2 minute intervals under conditions of illumination and at 5 minutes intervals in the dark. The chloroplasts were isolated from spinach and purified in a density gradient after the simplified method of W. O. James and V. S. R. Das (New Phytologist, 58, 1957, 325). The thickness of the suspension layer was 3 mm and the intensity of illumination amounted to $100 \cdot 10^3$ erg/cm^2/sec. Upon adding NAD-H_2 and NADP-H_2 to the suspension, oxygen absorption became intensified both under illumination and in darkness. An extensive discussion of the results and comparison with results of other authors is given. There are 4 Soviet and 1% Western references. (Manuscript received 10 Mar 66.)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

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BULGARIA

TOMOVA, N., SECHENSKA, M., DECHEV, G., Institute of Plant Physiology, Bulgarian Academy of Science

"Phenoloxidase Activity of Spinach Chloroplasts"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 7, 1966, pp 653-656

Abstract: /English article/ It has been established that isolated chloroplasts consume molecular oxygen upon illumination. Since various attempts at a theoretical explanation of the effect have no provision for the participation of oxygen-related enzymes, the authors studied the activity of certain chloroplast phenolaxidases, their substrate specificity, and their sensitivity to inhibitors. Used were chloroplasts from spinach which show a considerable consumption of oxygen upon illumination. The spinach was cultivated in a hothouse. Young leaves were used in the experiment, and they were homogenized three times, 15 seconds each, in an ice-cooled Waring blender. The paper describes the experimental procedures and offers tables showing 1) the relative enzyme activities of the different phenoloxidases in chloroplasts from spinach; 2) the sensitivity of the phenoloxidases with regard to NaN_3 (almost no inhibiting effect) and KCN (high degree of inhibition); and 3) the influence of light on the oxidation of phenols used in suspension of intact chloroplasts. The active phenoloxidases investigated provide sufficient ground for assuming

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Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 19, No 7, 1966, pp 653-656

that they offer some of the possible enzymatic pathways of the electron to the molecular O_2 in the electrontransport reactions of photosynthesis according to the diagram proposed in an earlier paper (Compt. rend. Acad. bulg. Sci., 19, 1966, No 6, 531). There are 1 Bulgarian and 11 Western references. (Manuscript received, 10 Mar 66.)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

ACC NR: AP6020317 SOURCE CODE: BU/0011/65/018/007/0675/0678

AUTHOR: Ivanova, N.; Dochev, G.; Seconska, M.

ORG: Section of Biochemistry, Institute of Plant Physiology, BAN; Section of Biophysics, Institute of Plant Physiology, BAN

TITLE: Light-induced consumption of molecular oxygen from isolated chloroplasts in the presence of potassium cyanide

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 7, 1965, 675-678

TOPIC TAGS: chloroplast, oxygen, photosynthesis, enzyme, redox reaction, potassium compound

ABSTRACT: Isolated chloroplasts without addition of Hill's reagents consume molecular oxygen (A. N. Mechler, Arch. Biochys., 33, 1951, 65; L. S. Grishina, N. P. Voskresenskaya, Dokl. AN SSSR, 151, 1963, 452) under illumination. This absorption is intensified by the addition of certain substances. The part played by oxygen in the electron-transport reactions in isolated chloroplasts is presently investigated in close relation to photosynthetic phosphorylation. This paper reports on experiments showing that isolated spinach chloroplasts consume molecular oxygen most intensely in the presence of KCN and under illumination. Numerical results presented in the form of graphs indicate that transfer of electrons takes place with the participation

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L 2982-66

ACC NR: AP6020317

of a number of intermediary electron carriers, enzymes included, and the specificity of the substrate of the reaction (KCN) and the high concentrations used seem to indicate that the part of "final oxidase", i.e., of a transfer
This paper was presented by Academician I. Emanouiloff on 1 April 1965. Orig. art. has: 3 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 01Apr65 / ORIG REF: 002 / OTH REF: 011
SOV REF: 002

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G. D.

On the kinetics of transition into a new condition in plant organisms. Izv Inst biol BAN 11:93-108 '61. (EEAI 10:9)

(Plants)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

Dechev, G. D.

Influence of some chemical substances and of temperature on the respiratory enzymes of bakers' yeast. A. T. Kaloudzhiev and G. D. Dechev. *Compt. rend. acad. bulgare sci.* 7, No. 3, 45–8 (1954) (in English).—The influences on the leavening of the yeast are shown for KBr, morphine, caffeine, KCN, iodoacetic acid, and temps. of 15–50°. The results indicate that an increase in temp. sets into motion oxidative enzyme systems which are known to occur at a higher level of chem. energy, and vice versa. J. E. L.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

Deche, G. D.

The relation of cyanide-resistant respiratory enzymes to molecular and peroxide oxygen. A. T. Kalaidjiev and G. D. Deshev. *Compt. rend. acad. bulgare sci.* 7, No. 3, 61-4(1954)(Pub. 1955)(in English).—Polarographic curves are presented showing the inhibition effect of 7.7×10^{-4} and 7.7×10^{-6} *M* KCN on the O and H_2O_2 consumption of 0.5% baker's yeast in a pH 7 phosphate buffer. When the hemin enzymes, oxidase and catalase, are preserved in the yeast, the consumption of O_2 and H_2O_2 drop simultaneously in a ratio of 1 to 1, but when they are inhibited with KCN the remaining enzymes, flavines and dehydrases, do not form H_2O_2 but consume it. With the addn. of KCN the reduction of the oxidizing stage stops at a certain level, while the reduction of the peroxidizing stage continues to the end; the level at which the oxidizing stage ceases is detd. by the KCN concn. and not that of the yeast. John H. Wood

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, C. D.

DECHEV, C. Kinetic minimums of $\frac{dH}{dt}$ V curve at 50 Hz in suspensions of Baker's yeasts and animal tissues. dt' In English. p. 63. Vol. 9, no. 1, Jan./ Mar. 1956 DOKLADY., Sofiia, Bulgaria.

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

PASYNSKIY, A.G.; DECHEV, G.D.

Excitation of living cells as a shift of steady state of open systems. Izv. AN SSSR. Ser. biol. no.4:497-503 Jl-Ag '61. (MIRA 14:9)

1. Institut biokhimii im. A.N.Bakha AN SSSR, g. Moskva i Biologicheskiy institut Bolgarskoy Akademii nauk, g.Sofiya.
(BIOCHEMISTRY)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G.D.; PANGELOVA, T.K.

The chain nature of excitation in plant tissues. Biofizika 6 no. 1:40-44 '61. (MIRA 14:2)

1. Institut biologii im. M.Popova Blgarskoy AN Sofiya.
(ELECTROPHYSIOLOGY OF PLANTS)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G.D.

Kinetics of the transition of plant organisms into new stationary states. Biofizika 6 no.4:440-447 '61. (MIRA 14:7)

1. Biologicheskiy institut Bolgarskoy Akademii nauk, Sofiya.
(ELECTROPHYSIOLOGY OF PLANTS)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G.D.; MOISEYEVA, L.N.; PASYNSKIY, A.G.

Role of the inhibition of enzymes by reaction products in an open system. Dokl. AN SSSR 151 no.3:725-728 Jl '63. (MIRA 16:9)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Predstavleno akademikom A.I.Oparinym.
(Enzymes) (Inhibition (Chemistry))

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, G.D.; MOSKONA, A.I.

Reduction-oxidation potential of biological objects as a result of irreversible processes in open systems. Biofizika 10 no.3:490-494 '65. (MIRA 18:11)

1. Biologicheskiy institut Bolgarskoy Akademii nauk, Sofiya.
Submitted June 3, 1963.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

BELOTSVETOV, A.V.; LIRTSMAN, S.M.; DECHEV, Kh.I.

Pay greater attention to the lighting of shoe factories.
Kozh.-obyv. prom. 7 no.6:4-6 Je '65. (MIRA 18:8)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

ZOLOTOVITCH, G. [Zolotovich, G.]; DECHEVA, R. [Decheva, R.]

Respiratory intensity of the flower of Rosa damascena Mill.
Doklady BAN 17 no.7:657-660 '64.

1. Experiment Station for Aromatic Plants, Kazanluk.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

SOV/124-58-8-8829 D

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 71 (USSR)

AUTHOR: Dechev, V.I.

TITLE: An Investigation of Various Flow Regimes Past Cascades of Vane Profiles in a Reversible Axial-flow-type Turbine Pump (Issledovaniye rezhimov obtekaniya reshetok profiley obratimoy nasos-turbiny osevogo tipa)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Khar'kovsk. politekhn. in-t (Khar'kov Polytechnic Institute), Khar'kov, 1958

ASSOCIATION: Khar'kovsk. politekhn. in-t (Khar'kov Polytechnic Institute), Khar'kov

Card 1/1

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, V.I.

Investigating pump and turbine blading in a water tunnel with movable plates at the outlet. Sbor. trud. Lab. gidr. mash. no.7: 61-75 '58. (MIRA 12:9)
(Water tunnels) (Hydrodynamics)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

26(1)
AUTHOR: Dechev, V.I., Engineer

SOV/143-58-10-17/24

TITLE: A Study of Reversible Pump-Turbine Blading Profiles in a Hydrodynamic Tube

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energetika, 1958, Nr 10, pp 130-143 (USSR)

ABSTRACT: The development of reversible motor-pump and turbine-generator units is of great importance for the USSR economy. Such units may find application at tidal power plants and at accumulating reservoirs, producing electric power during the peak load hours. Research work for calculating and designing such reversible pump-turbine units is being performed by the Khar'kovskiy politekhnicheskiy institute imeni V.I. Lenina - KhPI - (Khar'kov Polytechnic Institute imeni V.I. Lenin) and by the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute). In this paper, the author presents the results of an investigation of several profiles of pump and turbine bladings with the purpose of recommending the best profile for

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

A Study of Reversible Pump-Turbine Blading Profiles in a Hydrodynamic Tube

planning runner models of reversible pump-turbine units. In table 1, the author presents data on four profile types which were studied at KhPI. The experimental blades were manufactured on a copying surface gridning machine according to a method suggested by Candidate of Technical Sciences V.A. Tat'kov. The author describes briefly the experimental arrangement and the hydrodynamic tube used for this purpose. In the USSR, there are presently two hydrodynamic tubes, one at VIGM, where only the characteristic of single blades are studied, while the other one is located at KhPI. The flow section of such a hydrodynamic tube was planned in 1954 at the Kafedra gidravlicheskikh mashin KhPI (Chair of Hydraulic Machinery KhPI) under the guidance of Academician AN USSR G.F. Proskura with the participation of Docent L.S. Shmuglyakov and Docent D.Ya. Aleksapol'skiy and the author of this paper. The flow section of this hydrodynamic tube is shown in figure 1. The author explains some

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

A Study of Reversible Pump-Turbine Blading Profiles in a Hydrodynamic Tube

experimental results and their analysis using eight graphs. The research results obtained confirm data existing in this field from a number of other authors, for example, I. Shimoyama [Ref 7]. Based on his investigations, the author arrives at the following conclusions: 1) The calculation of the runner of a reversible, axial-type pump-turbine for performing the work of a pump requires the investigation of bladings of different parameters. The experimental data presented in this article may be used for calculating such a reversible machine. 2) Profile Nr 2 may be recommended for the runner. 3) The experimental results compiled in this paper are of interest, because they were obtained in a hydrodynamic tube where the influence of the walls on the flow at the blading outlet was eliminated. There are 1 diagram, 9 graphs

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SOV/143-58-10-17/24
A Study of Reversible Pump-Turbine Blading Profiles in a Hydrodynamic Tube

and 7 references, 5 of which are Soviet and 2 Japanese.

ASSOCIATION: Zaporozhskiy mashinostroitel'nyy institut (Zaporozh'ye Machine Building Institute) Kafedra gidravlicheskikh mashin (Chair of Hydraulic Machines)

SUBMITTED: May 19, 1958

Card 4/4

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, V.I.

Determining the coefficient of lift of pump cascades in a water tunnel. Trudy KhPI. Ser.mash. 19 no.9:191-198 '59. (MIRA 14:9)
(Water tunnels)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

VASSERMAN, G. M.; DECHEV, V. I., kand. tekhn. nauk; OL'YAK, V. D., kand. tekhn. nauk

Selecting efficient shape and position of air intakes in prospective makes of the "Zaporozhets" automobile. Avt. prom. 28 no.9:23-25 S '62. (MIRA 15:10)

1. Zaporozhskiy avtozavod "Kommunar" i Zaporozhskiy mashinostroitel'nyy institut imeni V. Ya. Chubarya.

(Automobiles—Engines—Cooling)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEV, V.I., kand.tekhn.nauk

Determination of the principal parameters of water-jet engines. Izv. vys. ucheb. zav.; energ. 6 no.5:103-108 My '63. (MIRA 16:7)

1. Zaporozhskiy mashinostroitel'nyy institut imeni V.Ya.Chubarya. Predstavlena kafedroy teplotekhniki i gidravliki Zaporozhskogo mashinostroitel'nogo instituta.

(Motor ships--Water-jet--Engines)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

[redacted], V.I., kand. tekhn. nauk; [redacted], G.N., [redacted]

Possibility of using air blower [redacted] in small craft building. Sudostroenie 30 no.10:40-42 O '64.

(MIRA 17:12)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

L 40250-66

ACC NR: AP6020974 (A) SOURCE CODE: UR/0113/66/000/003/0009/0010

AUTHOR: Vasserman, G. M.; Dechev, V. I. (Candidate of technical sciences); Ol'yak, V. D. (Candidate of technical sciences) 46 B

ORG: Zaporozhskiy "Kommunar" Automobile Plant (Zaporozhskiy avtozavod "Kommunar"); Zaporozhskiy Machine Building Institute im. V. Ya. Chubar' (Zaporozhskiy mashinostroitel'nyy institut)

TITLE: Determining the dimensions of air scoops for rear-engine cars

SOURCE: Avtomobil'naya promyshlennost', no. 3, 1966, 9-10

TOPIC TAGS: automotive industry, air breathing engine, vehicle engine cooling system, engine cooling fan, air intake system, wind tunnel

ABSTRACT: The authors determine the dimensions for air scoops in rear-engine cars. These air scoops should be designed to use the kinetic energy of the oncoming air. This is particularly true for the case of low-cc automobiles. This type of design economizes on the energy expended by the cooling fan. An expression is given for determining the flow of air through the air scoop where the flow is maintained by the motion of the automobile through air. Once the air has reached the motor compartment, most of it is expended for cooling, and only 4-7% is used for combustion. It is assumed that pressure in the air compartment is slightly above atmospheric. If the

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ACC NR: AP6020974

motor compartment is not properly sealed, exhaust gases may enter the automobile. On the other hand, higher than atmospheric pressure in the motor compartment is useful from the standpoint of increased engine intake pressure, a lower power drain on the fan and better cooling system operation. An expression is given for determining the relationship between fan efficiency and crankshaft rpm. Another expression is given for determining the relationship between the speed of the automobile and crankshaft rpm. Using both of these expressions, the area of the air scoop cross section can be determined. These methods are applied to two automobiles: the ZAZ-970 and the ZAZ--966. A pressure curve was plotted from data of tests conducted in the wind tunnel at the Zaporozhskiy Machine Building Institute imeni V. Ya. Chubar' together with the average pressure factor which depends on the size and shape of the air scoop cross section. These tests were conducted on an automobile frame model. The proposed method for determining the cross section of the air scoop makes it possible to shorten experimentation on cooling systems. Computational data may be obtained from aerodynamic simulation. Selection of the proper cross section for the air scoop affects both the operating temperature of the engine and the cleanliness of the cooling air. Orig. art. has: 2 figures, 8 formulas.

SUB CODE: 21, 13/ SUBM DATE: none/ ORIG REF: 002

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHEVA, Ant. K., inzh. khim. (Kazanluk); KOICHEV, At., inzh. khim. (Kazanluk)

Separation of copper and iron from bimetallic waste. Khim i industriia 34 no.6:228-229 '62.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

MASLAROV, Ivan Ang., inzh.; DECHEVA, Dimitriia Koleva, inzh.

Electronic device for automatic control of the concentration of liquids. Radio i televiziia 12 no. 12:383 '63.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

BOYNAKOV, G.; BAKYRDZHIYEV I. [Bakurdzhiev, I.]; [illegible]

Interaction of surface hydroxyl groups of aluminum oxide.
Doklady BAN 17 no.12:1103-1106 '64.

1. Institute of General and Inorganic Chemistry of the Bulgarian Academy of Sciences, Sofia. Submitted July 25, 1964.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

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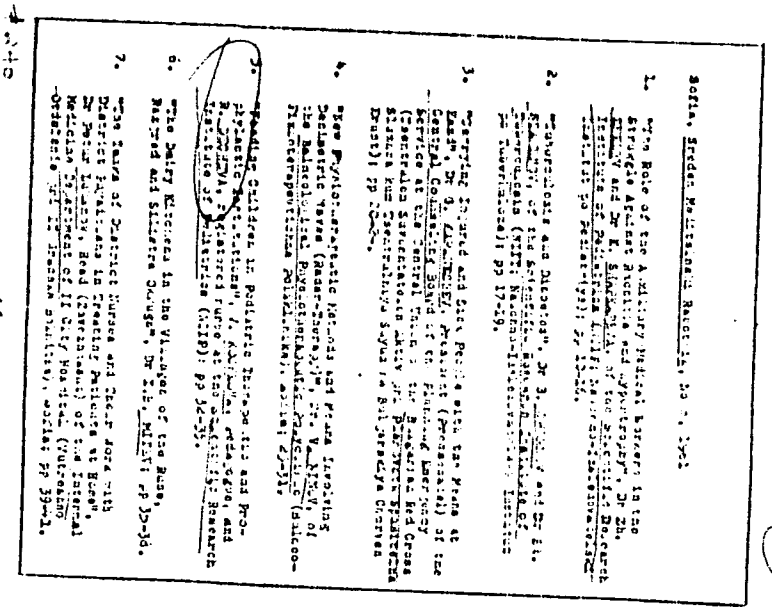
DECHEVA, R.



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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

ZOLOTOVITCH, G. [Zolotivich, G.]; SECENSKA, M. [Sechenska, M.];
DECEVA, R. [Decheva, R.]

Changes in the saccharide composition and the ferment activity in the storage of rose pollen. Doklady BAN 17 no.3:295-298 '64.

1. Experiment Station for Odoriferous Plants, Kazanluk, Bulgaria. Vorgelegt von Akademiemitglied Chr. Daskalov [Daskalov, Khr.].

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

ZOLOTOVITCH, G. [Zolotovich, G.]; KOSSEVA, D. [Koseva, D.]; DECHEVA, R.

Examining certain substances in sound and abscissing flower buds of Rosa damascena Mill. Doklady BAN 17 no.11:1059-1062 '64.

1. Experiment Station for Roses and Essential Oil Plants, Kazanluk. Submitted July 11, 1964.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

MOLDOVANOVA, M.; DIMITROVA, St.; DECHEVA, St.

Semiconducting properties of SnTe. Fiz. tver. tela 6 no.12:
3717-3718 D '64 (MIRA 18:2)

1. Fizicheskiy fakul'tet Sofiyskogo universiteta, Narodnaya Respublika Bolgariya.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHKO, B.I.; POZHARSKIY, D.S. [Pozhars'kyi, D.S.]

Ion exchange system for the purification of diffusion juices. Leh.prom. no.1:52-53 Ja-Mr '64. (MIRA 19:1)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

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I003/I203

AUTHOR: Fel'dshtein, E.I., Bel'kevich, S.A., and Dechko, E.K.

TITLE: Some problems of machining sintered iron-graphite powder materials

PERIODICAL: Poroshkovaya metallurgiya, no.4, 1962, 105-114

TEXT: The aim is to determine the optimum conditions for the turning of iron-graphite powder materials. The investigations were carried out on busings of the above material sintered at 1050-1100°C in an atmosphere of hydrogen. The highest turning speed was attained with cutters containing a small amount of cobalt. Materials with a "ferrite + perlite" structure are much more easily machined than materials with a perlite structure. The shapes of the cutting edge and the depth of turning are also discussed. The most suitable alloy for the manufacture of cutters for turning the above materials are T30K4 and VK3M. The VK4 and VK6 alloys are considered to be the second best for this purpose. There are 10 figures and 1 table.

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S/226/62/000/004/012/012
I005/I203

Some problems of machining sintered...

ASSOCIATION: Belorusskii politekhnicheskii institut, g. Minsk (The Belorussia Polytechnic Institute, Mink)

SUBMITTED: December 25, 1961

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L 41288-65 EWG(j)/EWP(e)/EPF(n)-2/EWT(m)/EPF(c)/EWP(i)/EPF(n)-2/EPR/EPA( )-2/T/EWP(c) Pab-10/Pr-4/Ps-4/Pt-10/Pu-4 WH/JG/AM

ACCESSION NR: AR5005683 S/0276/64/000/008/B096/B096

54
B

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya. Svodnyy tom, Abs. 8B599

AUTHOR: Dechko, E. M.

TITLE: A study of drilling in ferrographite cermets

CITED SOURCE: Sb. Issled. v obl. mashinostr. Minsk, Vyssh. shkola, 1964, 21-29

TOPIC TAGS: cermet drilling, drill geometry, drilling program, drill advance rate, ferrographite cermet, program calculation

TRANSLATION: The author reports the results of experiments carried out to define the optimal geometric parameters for the cutting area of a drill and obtain basic data to be used in compiling drilling programs for operations on ZhG2-20 cermet with drills made from R-18 steel (drill diameters 9.7 or 2.9 mm). Disk shaped samples with an outside diameter of 50 mm, inside diameter of 14 mm, height of 6 or 15 mm and containing 1.2 to 1.4% C after sintering, had a porosity of 20-23% and Vickers hardness of 55-75. Trailing surface wear of 0.3 mm was accepted as a dullness criterion for large drills. It was established that the optimal angle at the apex

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is 116° for Ø=9.7 mm and 100° for Ø=2.9 mm. The reseptive optimal relief angles were 10 and 20°. Max. advance, governed by cermet properties, was 0.2 mm/revolution for large drills and 0.1 for small drills (in relation to drill strength). The following expressions are given for use in calculating drilling programs:

$$V=\frac{c_v \cdot d^{0.6}}{T^{0.185} s^{0.6}}; \quad (1)$$

for drills with diameters (d) of 5 to 15 mm and

$$V=\frac{c_v \cdot d^{0.6}}{T^{0.26} s^{0.73}}; \quad (2)$$

for drills with d=2 - 4.9 mm. Twenty illustrations. I. Esterzon.

SUB CODE: IE, MT ENCL: 00

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DECHKO, Eduard Mikhaylovich; ROMAN, O.V., kand. tekhn. nauk, nauchn. red.

[Machining the openings in ceramic metal parts] Obrabotka otverstii v metallokeramicheskikh detaliakh. Minsk, Nauka i tekhnika, 1965. 114 p. (MIRA 18:12)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECHKO, V.M.

Comparative study of the formation of vegetative ganglia in the head of man and cat in embryogeny. Dokl. AN BSSR 9 no.9:621-623 S '65. (MIRA 18:11)

1. Minskiy gosudarstvennyy meditsinskiy institut. Submitted January 9, 1965.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DOBRZANSKI, Bohdan; DECHNIK, Ignacy

Comparison of different ways of taking soil samples for the determination of soil reaction and content of assimilative phosphorus and potassium. Postepy nauk roln 10 no. 2: 77-84 Mr-Ap '63.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECI, F.

Organization and basic problems of scientific research work in the Hungarian Meteorologic Institute. p. 3.
(Khidrologhia I Meteorologiia, No. 5, 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

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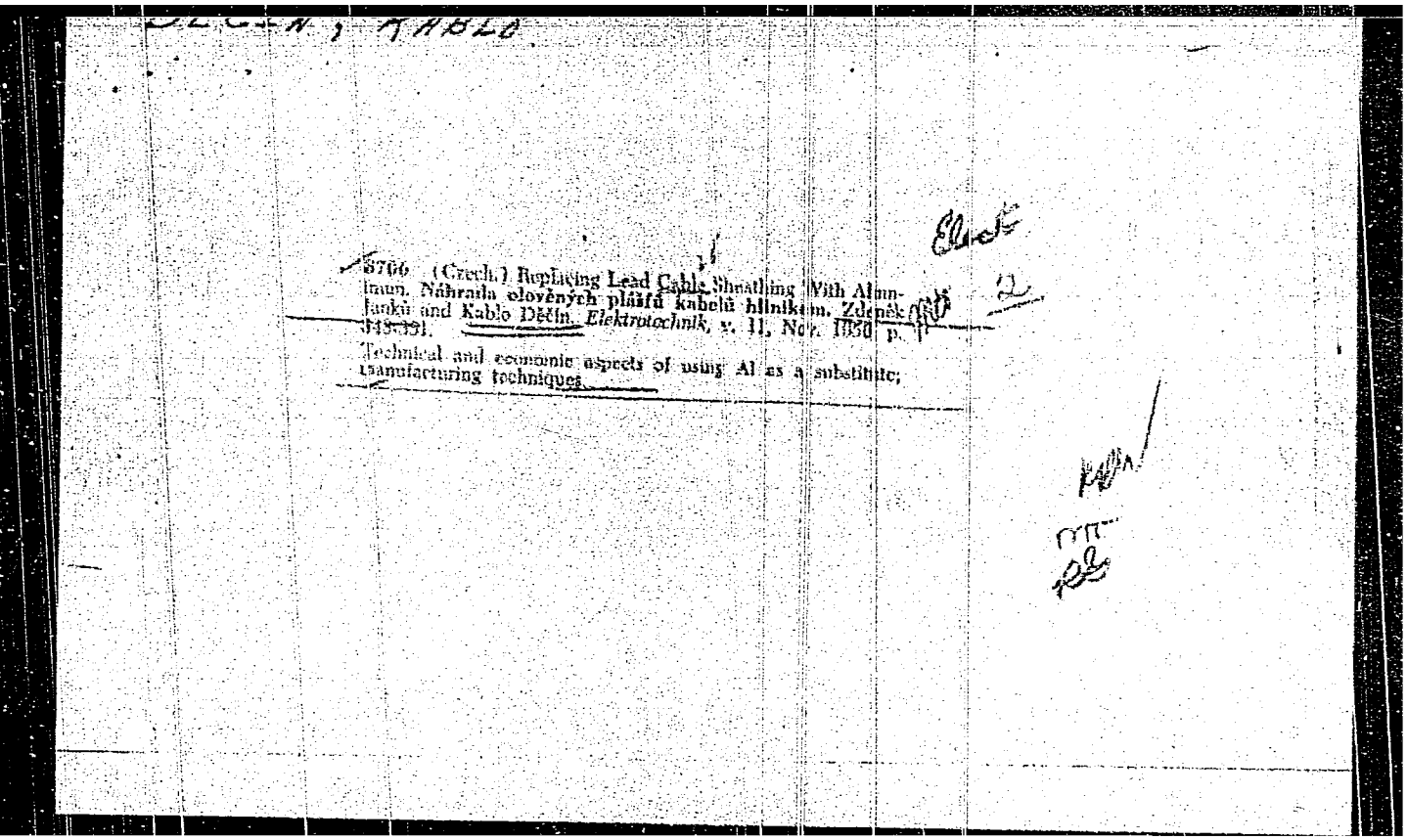

6766 (Czech) Replacing Lead Cable Sheathing With Aluminum. Náhrada olověných plášťů kabelů hliníkem. Zdeněk Janků and Kablo Děčín. *Elektrotechnik*, v. 11, Nov. 1950, p. 349-351.

Technical and economic aspects of using Al as a substitute; manufacturing techniques.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

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S/194/62/000/006/232/232
D256/D308

AUTHORS: Tichý, Bedřich, Děčin, Kurt, and Klika, Vilém

TITLE: Method of producing heavy-duty coax-cable

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1962, abstract 6-8-73 ch (Czechosl. pat., kl. 21 c, 3/05, 21 a^4, 73, no. 98454, 15.12.61)

TEXT: It is proposed to produce the insulating cord of the heavy-duty radiofrequency cable 25/90 as a hollow sleeve made of polyethylene, 30 to 32 mm outside diameter and 3 mm wall thickness. The sleeve is laid onto the inner conductor tube (20 mm ID) to form a helix with a step of 300 to 400 mm. After inserting the assembly of the inner conductor with the sleeve into the outside conductor tube (100 mm OD), warm water under pressure is circulated through the sleeve. By increasing the pressure of the water the diameter of the sleeve is increased, producing a tight fit to both the inner and the outside conductor tubes; the shape of the sleeve remaining undisturbed by cooling the water. The water is drained and after drying the sleeve, gas under excess pressure is fed provisionally

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into it in order to increase the pressure of the insulation layer against the conductors when reeling the cable, and also during the transportation and assembly. The space between the conductors is kept dry by the gas escaping through the walls of the sleeve. [Abstracter's note: Complete translation.]

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DINCIU, E.

The study of specific pressures upon the contact surface in the laminating process.

P. 567(Academia Republicii Populare Romine. Institutul de Mecanica Aplicata. STUDII SI CERCETARI DE MECANICA APLICATA. Vol. 7, no. 2, Apr./June 1956. Bucuresti, Rumania)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

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DET[illegible], [illegible].

Considerations on cavitation coefficient of pumps.

p. 223 (Hidrotehnica. Vol. 2, no. 5, Sept./Oct. 1957. Bucuresti, Romania)

Monthly Index of East European Accessions (MEAI) LC. Vol. 7, no. 2, February 1958

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECIU, E., MITRICA, I., POPOV, M.

A boundary condition in the hydrodynamic analogy of lamination. p. 2339

Academia Republicii Populare Romine. Institutul de Mecanica Aplicata. STUDII SI CERECETARI DE MECANICA APLICATA. Bucuresti, Ruminia. Vol. 8, No. 4, 1957

Monthly List of East European Accessiosn (EEAI) LC, Vol. 8, No. 8, Aug. 1959
Uncl.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000309910015-3

DECIU, E.; POPOV, M.; MITRICA, I.

A comparative study of the geometric parameters of the cutting tools fitted with mineral-ceramic plates and plates on the basis of metallic carbides. p.1077

STUDII SI CERCETARI DE MECANICA APLICATA. Academia Republicii Populare Romine Bucuresti, Rumania
Vol. 9, no.4, 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no.1, Jan. 1960
Uncl.

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RUM/8-59-1-14/24

25.7000

AUTHORS: Popov, M., Mitrică, I., Deciu, E.

TITLE: On the Optimum Cutting Conditions With Lathe Tools Armored With Mineral Ceramic and Steel Tips

PERIODICAL: Studii si Cercetări de Mecanică Aplicată, 1959, Nr 1, pp 219 - 240 (RUM)

ABSTRACT: A comparing study of lathe tools armored with mineral ceramic tips and steel tips has been previously accomplished [Ref 1], establishing the optimum geometrical parameters in case of machining "OL-70" and "OL-60" steels. Subject article presents experiments conducted with the same steels by using "ENC_1" mineral ceramic tips (hardness: 65-74 H_{RC}) made by the Institutul de cercetări stiintifice pentru constructii, materiale de constructii si industrializarea a lemnului (Institute for Scientific Research of Constructions, Construction Materials and Industrial Processing of Wood), and "S_1" steel tips (hardness: 70-78 H_{RC}) made by Harith. Similar to the previous articles [Refs 1, 2, 3], this study is based on the tracing of the wearing off evolution. The following problems have been studied by the authors: a) Influence of feed and cutting depth on the wear of the cutting tool; b) Influence of the speed on the wear of the cutting tool; c) Influence of feed and cutting depth on the speed;

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On the Optimum Cutting Conditions With Lathe Tools Armored With Mineral Ceramic and Steel Tips

and d) Influence of the cutting parameters on the effective power. a) Influence of feed and cutting depth on the wear of the cutting tool: Many experiments have been conducted in order to study the influence of feed, maintaining a constant cutting speed and depth. The correlations $T = f(s)$ are presented by (Figures 1 and 2). The study of the influence of the cutting depth was established in the same way, maintaining a constant cutting speed and feed. The results are given by (Figures 3 and 4). All curves presented by (Figures 1, 2, 3, 4) can be linearized in logarythmic coordinates. b) Influence of the speed on the wear of the cutting tool: The connection between the speed and the hardness of steel tips is expressed by the formula:

$$vT^n = C_1, \qquad (1).$$

This relation is valid for steel tips and mineral ceramic tips. Thus, the influence of feed and cutting depth can be neglected. The linearization of the experimental curves can be made in logarythmic coordinates in both cases. Some results with steel tips are expressed by (Figures 5 and 6) and with mineral ceramic tips by (Figures 7 and 8). The values of the "n" exponent in case of mineral ceramic tips are expressed by Table 1, which

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On the Optimum Cutting Conditions With Lathe Tools Armored With Mineral Ceramic and Steel Tips

shows that "n" depends from the processed material and the type of tip used. This maximum deviation $\Delta n_{max}\%$ of "n" against the average are given by Table 2. The effects of these deviations are reduced. For the determination of the correction coefficient K_T of the economical speed in function of the hardness, the following relation is used [Ref 3]:

$$K_T = \frac{v_T}{v_{60}} = \left(\frac{60}{T}\right)^n , \qquad (2),$$

in which v_T is the cutting speed for a hardness of T, m/min and v_{60} the cutting speed for a hardness of 60 min, m/min. The values of the K_T coefficients are given by Table 3. The adimensional correction coefficients are determined by using the relation:

$$K_\gamma = (\tau\gamma)^n , \qquad (3).$$

K_γ for $\gamma = 5^0$ has the maximum error in case of "OL-60" steel, machined with S_1 tips. In case of machining "OL-60" steel with ENC_1 tips, the maximum error appears at the K_γ coefficient if $\gamma = -10^0$. In case of machining "OL-70" steel with S_1 tips, the K_T coefficient has the maximum error for a hardness of 120 minutes. Machining "OL-70" steel

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